

**Request to Archive
With The National Centers for Environmental Information
For North American Regional Reanalysis (NARR) Version 2
Provided by NCEP**

2015-04-15

This information will be used by NCEI to conduct an appraisal and make a decision on the request.

1. Who is the primary point of contact for this request?

Jeff Budai
NCDC
(828) 271-4454
jeff.budai@noaa.gov

2. Name the organization or group responsible for creating the dataset.

National Centers for Environmental Prediction (NCEP)

3. Provide an overview summarizing the scope of data you want to archive. Describe the outputs, data variables, including their measurement resolution and coverage.

NCEI-NC has been archiving NARR data. This reanalysis dataset has an ongoing period of record (POR) from January 1979 to present. NCEI-NC NARR data stopped in October 2014 when the NARR model was updated and a rerun with the new model version creating a 01Jan2009 to 31Jan2015 POR dataset. Since then, the NARR model has again been upgraded and NCEP Operations are currently producing NARR data.

This Request to Archive (RA) is for the 01Jan2009 to 31Jan2015 POR dataset, which has the same output, variables, and files as the NARR data we had archived up until October 2014. The total volume of data of this static dataset is 1020.6 GiB or 0.996 TiB (1.10TB).

A separate RA is being submitted for the latest NARR data that has a POR starting 1Feb2015.

4. What is the time period covered by the dataset? (YYYY-MM-DD, YYYY-MM or YYYY)

From 2009-01-01 to 2015-01-31

5. Edition or version number(s) of the dataset:

Version 2

6. Approximate date when the dataset was or will be released to the public:

2015-04-15

7. Who are the expected users of the archived data? How will the archived data be used?

After the Climate Forecast System (CFS) and Global Forecast System (GFS) datasets, NARR is the third-most requested model dataset at NCEI-NC. 53TB of NARR data were requested in FY2014

8. Has the dataset undergone user evaluation and/or an independent review process? Did NCEI participate in design reviews?

Unknown.

9. Describe the dataset's relationship to other archived datasets, such as earlier versions or related source data. If this is a new version, how does it improve upon the previous version(s)?

See #3.

10. List the input datasets and ancillary information used to produce the data.

Please see the NARR homepage for more information: <http://www.emc.ncep.noaa.gov/mmb/rreanl/>

11. List web pages and other links that provide information on the data.

NARR homepage: <http://www.emc.ncep.noaa.gov/mmb/rreanl/>

12. List the kinds of documents, metadata and code that are available for archiving. For example, data format specifications, user guides, algorithm documentation, metadata compliant with a standard such as ISO 19115, source code, platform/instrument metadata, data/process flow diagrams, etc.

1. - Gridded model data output

- Miscellaneous documents: describing data and variables, PowerPoint presentations, research papers... (see #11)

13. Indicate the data file format(s).

1. GRIB 1

14. Are the data files compressed?

GRIB1

15. Provide details on how the files are named and how they are organized (e.g., file_name_pattern_YYYYMM.tar in monthly aggregations).

NARR homepage for more information: <http://www.emc.ncep.noaa.gov/mmb/rreanl/>

16. Explain how to access sample data files and/or a file listing for previewing. If it is not available now, when will it be available?

NCEI-NC NOMADS: http://nomads.ncdc.noaa.gov/data.php?name=access#narr_datasets

NCEP: ftp://ftp.cpc.ncep.noaa.gov/wd51we/NARR_archive/

17. What is the total data volume to be submitted?

Historic Data: all historic data or data submitted as a completed collection.

Total Data Volume: 1.10TB

Number of Data Files: 36866

18. Are later updates, revisions or replacement files anticipated? If so, explain the conditions for submitting these additional data to the archive.

Yes. See #3. Please note that in #17 the number of data files are individual GRIB1 files, not tar file collections.

19. Describe the server that will connect to the ingest server at NCEI for submitting the data.

Physical Location: NCEP Central Operations (NCO) Facility

System Name: NCEP

System Owner: DOC/NOAA/NWS/NCEP/EMC > Environmental Modeling Center,
National Centers for Environmental Prediction, National Weather
Service, NOAA, U.S. Department of Commerce

Additional Information: Data might be able to be pushed from NCO or possibly from the NCEP Operational NOMADS server

20. What are the possible methods for submitting the data to NCEI? Select all that apply.

1. FTP PUSH

21. Identify how you would like NCEI to distribute the data. Web access support depends on the resources available for the dataset.

1. Direct download links

2. Advanced web services (e.g., THREDDS Catalog Service)

22. Will there be any distribution, usage, or other restrictions that apply to the data in the archive?

No known constraints apply to the data.

23. Discuss the rationale for archiving the dataset and the anticipated benefits. Mention any risks associated with not archiving the dataset at NCEI.

See #7.

24. Are the data archived at another facility or are there plans to do so? Please explain.

No

25. Is there an existing agreement or requirement driving this request to archive? Have you already contacted someone at NCEI?

See #1. A POC at NCEP is Wesley Ebisuzaki, wesley.ebisuzaki@noaa.gov

26. Do you have a data management plan for your data?

No

27. Have funds been allocated to archive the data at NCEI?

No

28. Identify the affiliated research project, its sponsor, and any project/grant ID as applicable.

N/A

29. Is there a desired deadline for NCEI to archive and provide access to the data?

No deadlines for archive or access.

30. Add any other pertinent information for this request.

None